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THE FRANKLIN INSTITUTE TO PRESENT THE 2017 BOWER AWARD FOR BUSINESS LEADERSHIP TO ALAN MULALLY

FOR HIS EXTRAORDINARY CAREER IN THE AERONAUTICS, ASTRONAUTICS, AND AUTOMOTIVE INDUSTRIES

Philadelphia, PA, March 2, 2017—Alan Mulally has been named The Franklin Institute's 2017 recipient of the Bower Award for Business Leadership. In addition to engineering one of the most successful business turnarounds in history as CEO of Ford Motor Company, Mulally was instrumental in the massive transformation of Boeing Commercial Airplanes during the aftermath of the terrorist attacks of Sept. 11, 2001. Mulally, along with eight visionaries in science, technology, and engineering, will be recognized during the annual Franklin Institute Awards Ceremony and Dinner on Thursday May 4, 2017. In addition, Mulally will lead a discussion and Q&A on leadership at The Franklin Institute at 9:30am that day.

The Bower Award for Business Leadership, established in 1990, recognizes individuals who have demonstrated outstanding leadership in an American business or industry while adhering to the highest ethical standards, and who serve as inspiration to present and future leaders, much like the Institute's namesake. Previous recipients include David Packard of Hewlett-Packard, Herb Kelleher of Southwest Airlines, Ted Turner of Turner Enterprises, and Bill Gates of Microsoft Corporation.

Mulally is widely known for guiding Ford through a comprehensive restructuring in the midst of the global economic crisis and revitalizing the automaker's legacy as an icon of American business and innovation. His unique leadership and relentless focus on working together brought about the One Ford culture that fostered collaboration, stimulated product development, and encouraged technological innovation, all while controlling cost and ensuring financial stability. His foresight and leadership enabled Ford to decline government funding during the financial crisis and return to profitability. Throughout his eight-year tenure, Alan Mulally combined his people-centered leadership approach with competitiveness, charisma, and authenticity—making him of one the most popular CEOs of the 114-year-old automaker.

The Franklin Institute Awards have publicly recognized and encouraged preeminent accomplishments in science and technology, and more recently, business leadership, on an international level since the Institute was founded in 1824. Past laureates who have been recognized include Thomas Edison, Marie Curie, Stephen Hawking, and more recently Jane Goodall, Dean Kamen, Bill George, Michael Dell, and Patrick Soon-Shiong.

The Franklin Institute Awards Ceremony and Dinner is the culmination of a weeklong series of events and programs designed to shine a critical spotlight on advancements in science and technology, as well as extraordinary business leadership. Bank of America has provided generous support to The Franklin Institute for more than a decade and continues in 2017 as Presenting Sponsor of the Awards Ceremony and Dinner for the 15th consecutive year.

On May 4, 2017, The Franklin Institute will honor the following pioneers for their monumental and critical achievements in science, technology, and business leadership:

2017 BOWER AWARD & PRIZE FOR ACHIEVEMENT IN SCIENCE
CLAUDE LORIUS, PH.D.
French National Center for Scientific Research (CNRS)
Paris, France
For iconic contributions to the understanding of global climate change from the analysis of greenhouse gas concentrations in ice cores from Antarctica, including discovering the glacial-interglacial cyclic relation between atmospheric carbon dioxide concentration and temperature that governs past and future climate.

2017 BOWER AWARD FOR BUSINESS LEADERSHIP
ALAN MULALLY

2017 BENJAMIN FRANKLIN MEDAL IN CHEMISTRY (SHARED)
KRZYSZTOF MATYJASZEWSKI, PH.D.
Carnegie Mellon University
Pittsburgh, Pennsylvania

MITSUO SAWAMOTO, PH.D.
Kyoto University
Kyoto, Japan
For their seminal contributions to the development of a new polymerization process involving metal catalysts. This powerful process affords unprecedented control of polymer composition and architecture, making possible new materials including improved composites, coatings, dispersants, and biomedical polymers.

2017 BENJAMIN FRANKLIN MEDAL IN COMPUTER & COGNITIVE SCIENCE
MICHAEL I. POSNER, PH.D.
University of Oregon
Eugene, Oregon
Weill Medical College of Cornell University
New York, New York
For his central role in establishing the fields of cognitive science and cognitive neuroscience, thus increasing understanding of the human mind and brain through the pioneering use of reaction times and brain imaging in rigorous analyses to characterize attention, individual differences in attention, and both typical and atypical attentional development.

2017 BENJAMIN FRANKLIN MEDAL IN ELECTRICAL ENGINEERING
NICK HOLONYAK, JR., PH.D.
University of Illinois at Urbana-Champaign
Urbana, Illinois

For the development of the first visible (red) laser and LED used in displays and lighting, and the use of various alloys in colored light sources, which led to reduced energy consumption worldwide and contributed to the realization of optical data communications as the backbone of the Internet.

2017 BENJAMIN FRANKLIN MEDAL IN LIFE SCIENCE
DOUGLAS C. WALLACE, PH.D.
Children's Hospital of Philadelphia
Perelman School of Medicine, University of Pennsylvania
Philadelphia, Pennsylvania
For demonstrating the maternal inheritance of mitochondrial DNA (mtDNA) in humans, using mtDNA variation to reconstruct ancient human migrations, identifying the first mtDNA mutation associated with an inherited disease, and showing that mutant mtDNA can profoundly affect the nuclear genome, causing complex diseases, thereby leading the way to therapies for those diseases and the aging process.

2017 BENJAMIN FRANKLIN MEDAL IN MATERIALS SCIENCE AND ENGINEERING
MILDRED S. DRESSELHAUS, PH.D.
Massachusetts Institute of Technology
Cambridge, Massachusetts
For her fundamental contributions to the understanding and exploitation of carbon nanomaterials, such as the spheres known as buckminsterfullerenes, the cylindrical pipes called nanotubes, and the single-atom-thick sheets of carbon known as graphene, and for launching the field of low-dimensional thermoelectricity, the direct conversion of heat to electricity.
This award will be presented posthumously.

2017 BENJAMIN FRANKLIN MEDAL IN PHYSICS
MARVIN L. COHEN, PH.D.
University of California, Berkeley
Lawrence Berkeley National Laboratory
Berkeley, California
For making possible atomic-scale calculations of the properties of materials so detailed that new materials and their mechanical, thermal, electrical, and optical properties can be predicted in agreement with experiments.

Honored with two regional Emmy® awards, *The Franklin Institute Awards: Declaration of Progress* video illustrates the rich history of the 193-year-old Awards Program. For more information including photos, visit Press Kit: 2017 Franklin Institute Awards. Follow The Franklin Institute on Facebook (TheFranklinInstitute), Twitter (@TheFranklin), and Instagram (franklininstitute).

The Franklin Institute
Founded in honor of America's first scientist, Benjamin Franklin, The Franklin Institute is one of America's oldest and premier centers of science education and development in the country. Today, the Institute continues its dedication to public education and creating a passion for science by offering new and exciting access to science and technology. Recognizing outstanding achievements in science throughout the world is one important way that the Institute honors its commitment to Benjamin Franklin's legacy. For more information, please click here.